

**GRASO**<sup>®</sup>  
BIOTECH

# PRODUCT CATALOGUE





FOR PROFESSIONALS

EDITION

2023



## Our mission

We would like to help laboratories adapt to the ever-changing market conditions by providing them with a wide range of products, prepared in accordance with current scientific knowledge and legal requirements.



## An independent expert offer

We specialize in products for in vitro diagnostics, therefore we are able to select producers of ingredients and formulas in such a way that our products are characterized by the best parameters, enabling quick cultivation and accurate identification of microorganisms.



## Tailor-made product

We prepare our own ready-to-use media and OEM products for other manufacturers. We serve both large clinical and industrial laboratories as well as small research and development units. In addition to classic media, we prepare products based on the provided recipes.



## Offer created together with the customer

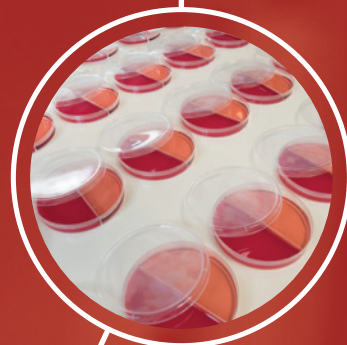
In order to be as close to the customer as possible, our representatives collect information about demand, trends in diagnostics in the field, thanks to which our offer is constantly updated and becomes a reflection of the real needs of the customers.

## Fresh products straight from quality control

As we work in a system of continuous collection of orders for ongoing production, our customers always receive fresh products of the highest quality.

## Sales directly from the manufacturer

Thanks to our own distribution network, our media go directly to the user, immediately after production and quality control which is held in ISO 17025 certified laboratory.





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# 1

## CULTURE MEDIA



### 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>1% Glucose Broth</b> For the cultivation of a wide spectrum of microorganisms	3118BT200 3118BT500 6209TB5	bottle bottle 50 tubes	200 ml 500 ml 5 ml	✓ ✓ ✓
<b>1% Peptone Water + Tryptophane</b> For the biochemical differentiation of <i>Enterobacterales</i> on the basis of indole production	3117BT100 3117BT200 3117BT500 6136TB3 6136TB5	bottle bottle bottle 50 tubes 50 tubes	100 ml 200 ml 500 ml 3 ml 5 ml	✓ ✓ ✓ ✓ ✓
<b>6,5% Sodium Chloride Broth</b> For the selective enrichment of <i>Enterococcus</i> spp.	3121BT100	bottle	100 ml	✓
<b>Acetamide Broth acc. ISO 16266</b> For the confirmation of <i>Pseudomonas aeruginosa</i> from water samples	8045BT100 6045TB5	bottle 50 tubes	100 ml 5 ml	
<b>ALOA acc. Ottaviani &amp; Agosti acc. ISO 11290</b> For the selective isolation, enumeration and presumptive identification of <i>Listeria monocytogenes</i> and <i>Listeria</i> spp. from food samples	1343PD90 1343PD140	10 plates 5 plates	90 mm 140 mm	
<b>Azide Blood Agar + Crystal Violet</b> For the selective isolation of <i>Streptococcus</i> spp. from clinical and non-clinical samples	1112PD90	10 plates	90 mm	✓
<b>Bacteroides Bile Esculin Agar</b> For the isolation of <i>Bacteroides fragilis</i> group	1039PD90	10 plates	90 mm	✓
<b>Baird Parker Agar base</b> Base medium for the selective isolation and enumeration of <i>Staphylococcus aureus</i> Supplements: Egg Yolk Tellurite	3082BT100 3082BT200	bottle bottle	100 ml 200 ml	



## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Baird Parker Agar (BPA) acc. ISO 6888 and 22718</b> For the selective isolation and enumeration of <i>Staphylococcus aureus</i> from food samples and cosmetics	1320PD90	10 plates	90 mm	
<b>BCYE Agar</b> For the isolation and presumptive identification of <i>Legionella</i> spp.	8049PD90	10 plates	90 mm	
<b>BCYE Agar without Cysteine</b> For confirmation the absence of <i>Legionella</i> spp.	8050PD90	10 plates	90 mm	
<b>BGA</b> For the selective isolation of <i>Salmonella</i> spp.	1360PD90	10 plates	90 mm	
<b>BGB Broth (2%) acc. ISO 4831 and 4832</b> For the selective enrichment of coliform bacteria from food samples	6314TB5	50 tubes	5 ml	
<b>BHI Agar + Potassium Tellurite</b> For the isolation and differentiation of <i>Enterococcus</i> spp.	1186PD90	10 plates	90 mm	✓
<b>BHI Agar + Vancomycin</b> For the selective isolation of <i>Enterococcus</i> spp. with high-level vancomycin resistance	1162PD90	10 plates	90 mm	✓
<b>BHI Broth</b> For the enrichment of fastidious microorganisms	3022BT100	bottle	100 ml	✓
	3022BT200	bottle	200 ml	✓
	3022BT500	bottle	500 ml	✓
	6020TB5	50 tubes	5 ml	✓
<b>Bile Esculin Azide Agar acc. ISO 7899</b> For the selective isolation and enumeration of <i>Enterococcus</i> spp. from water samples	1528PD90	10 plates	90 mm	
<b>Bismuth Sulphite Agar (Wilson Blair)</b> For the selective isolation of <i>Salmonella</i> spp.	1040PD90	10 plates	90 mm	✓
<b>Blood Agar</b> For the cultivation of a wide spectrum of fastidious microorganisms	1110PD90	10 plates	90 mm	✓
<b>Blood Agar acc. ISO 11290</b> For the presence confirmation of <i>Listeria</i> spp.	1197PD90	10 plates	90 mm	
<b>Bolton Broth acc. ISO 10272</b> For the selective enrichment of <i>Campylobacter</i> spp.	3412BT90	bottle	90 ml	
<b>Bromocresol Purple Broth + 10% Lactose</b> For the biochemical differentiation of microorganisms on the basis of lactose fermentation	3125BT100	bottle	100 ml	✓
	6128TB3	50 tubes	3 ml	✓
<b>Brucella Agar + 5% Sheep Blood + Supplements</b> For qualitative detection and isolation of anaerobic bacteria and of the genus <i>Brucella</i> . Determination of MIC values for anaerobic organisms.	1043PD90	10 plates	90 mm	✓
<b>Brucella Agar + 5% Horse Blood</b> For the cultivation of <i>Brucella</i> spp. and other fastidious microorganisms	1033PD90	10 plates	90 mm	✓

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	ref. no.	packaging	volume	IVDR
<b>Buffered Peptone Water</b> For the non-selective enrichment of bacteria, especially <i>Salmonella</i> spp. from food samples	3043BT100	bottle	100 ml	
	3043BT200	bottle	200 ml	
	3043BT225	bottle	225 ml	
	3043BT500	bottle	500 ml	
	6019TB9	50 tubes	9 ml	
<b>Burkholderia Cepacia Agar</b> For the selective isolation of <i>Burkholderia cepacia</i>	1016PD90	10 plates	90 mm	✓
<b>Campylobacter Agar + 10% Sheep Blood</b> For the selective isolation of <i>Campylobacter</i> spp.	1291PD90	10 plates	90 mm	✓
<b>Cetrymide Agar</b> For the isolation and identification of <i>Pseudomonas aeruginosa</i>	3045BT100	bottle	100 ml	✓
	3045BT200	bottle	200 ml	✓
	3045BT500	bottle	500 ml	✓
	1310PD90	10 plates	90 mm	✓
<b>Chocolate Agar</b> For the cultivation of a wide spectrum of fastidious microorganisms, including <i>Neisseria gonorrhoeae</i> and <i>Haemophilus</i> spp.	1080PD90	10 plates	90 mm	✓
<b>Christensen Agar</b> For the biochemical differentiation of <i>Enterobacterales</i> on the basis of urease production	6111TB7	50 tubes	7 ml	✓
<b>Christensen Agar for dermatophytes</b> For the selective isolation of dermatophytes	6112TB7	50 tubes	7 ml	✓
<b>Christensen Broth</b> For the biochemical differentiation of <i>Enterobacterales</i> on the basis of urease production	3116BT100	bottle	100 ml	✓
	3116BT200	bottle	200 ml	✓
	6133TB3	50 tubes	3 ml	✓
<b>CHROMagar Acinetobacter</b> For the selective isolation and identification of <i>Acinetobacter</i> spp.	1481PD90	10 plates	90 mm	✓
<b>CHROMagar Campylobacter</b> For the selective isolation of <i>Campylobacter</i> spp.	1385PD90	10 plates	90 mm	✓
<b>CHROMagar Candida</b> For the isolation and differentiation of <i>Candida</i> spp.	1400PD90	10 plates	90 mm	✓
<b>CHROMagar Candida Plus</b> For the isolation and differentiation of <i>Candida</i> spp. including <i>Candida auris</i>	1406PD90	10 plates	90 mm	✓
<b>CHROMagar C. difficile</b> For the selective isolation of <i>Clostridioides difficile</i>	1408PD90	10 plates	90 mm	✓
<b>CHROMagar COL-APSE</b> For the selective isolation of COL-resistant bacteria	1475PD90	10 plates	90 mm	✓
<b>CHROMagar ECC</b> For the isolation and enumeration of <i>Escherichia coli</i> and other coliform bacteria from food and water samples	3211BT100	bottle	100 ml	
	3211BT200	bottle	200 ml	
	1401PD90	10 plates	90 mm	
<b>CHROMagar ESBL</b> For the selective isolation of ESBL-producing bacteria	1470PD90	10 plates	90 mm	✓

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	ref. no.	packaging	volume	IVDR
<b>CHROMagar KPC</b> For the selective isolation and differentiation of Gram negative carbapenem-resistant bacteria	1471PD90	10 plates	90 mm	✓
<b>CHROMagar LIN-R</b> For detection and differentiation of Gram positive bacteria resistant to linezolid	1476PD90	10 plates	90 mm	✓
<b>CHROMagar Listeria</b> For the isolation and differentiation <i>Listeria monocytogenes</i>	1440PD90	10 plates	90 mm	
<b>CHROMagar Malassezia</b> For the isolation and differentiation of <i>Malassezia</i> spp.	1407PD90	10 plates	90 mm	✓
<b>CHROMagar Mastitis</b> For the isolation and differentiation of the main bacteria involved in mastitis infections (GP/GN)	2034PD90	10 plates	90 mm/2	
<b>CHROMagar MRSA</b> For the selective isolation of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	1402PD90	10 plates	90 mm	✓
<b>CHROMagar mSuperCARBA</b> For the selective isolation and initial identification of carbapenemase-producing <i>Enterobacterales</i> (CPE)	1473PD90	10 plates	90 mm	✓
<b>CHROMagar O157</b> For the selective isolation of <i>Escherichia coli</i> O157	1430PD90	10 plates	90 mm	
<b>CHROMagar Orientation</b> For the isolation and differentiation of pathogens from different samples, especially from urine	1410PD90	10 plates	90 mm	✓
<b>CHROMagar Pseudomonas</b> For the isolation and detection of <i>Pseudomonas</i> spp.	1480PD90	10 plates	90 mm	
<b>CHROMagar Salmonella</b> For the detection and isolation of <i>Salmonella</i> spp., including <i>S. typhi</i> and <i>S. paratyphi</i> from clinical specimens	1420PD90	10 plates	90 mm	✓
<b>CHROMagar Salmonella PLUS</b> For the selective isolation of <i>Salmonella</i> spp., including <i>S. typhi</i> , <i>S. paratyphi</i> and lactose positive <i>Salmonella</i>	3556BT100 3556BT200 1421PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>CHROMagar Staph aureus</b> For the selective isolation of <i>Staphylococcus aureus</i>	1404PD90	10 plates	90 mm	✓
<b>CHROMagar STEC</b> For detection of Shiga-Toxin producing <i>Escherichia coli</i> (STEC)	1381PD90	10 plates	90 mm	✓
<b>CHROMagar StrepB</b> For the selective isolation of <i>Streptococcus agalactiae</i>	1007PD90	10 plates	90 mm	✓
<b>CHROMagar VRE</b> For the selective isolation of the vancomycin-resistant <i>Enterococcus</i>	1460PD90	10 plates	90 mm	✓

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	ref. no.	packaging	volume	IVDR
<b>CHROMagar Y. enterocolitica</b> For the detection and identification of pathogenic <i>Yersinia enterocolitica</i>	1484PD90	10 plates	90 mm	✓
<b>Chromogenic Coliform acc. ISO 9308-1:2014</b> For the detection and enumeration of <i>Escherichia coli</i> and coliform bacteria from water samples by the membrane filtration method	1423PD90	10 plates	90 mm	
<b>Clark Broth</b> For the differentiation of based on the methyl red and Voges-Proskauer reactions	6147TB3	50 tubes	3 ml	✓
<b>CLED Agar</b> For the qualitative detection and isolation of pathogenic microorganisms from urine and other specimens	1030PD90	10 plates	90 mm	✓
<b>Clostridioides Difficile Agar</b> For the selective isolation of <i>Clostridioides difficile</i>	1005PD90	10 plates	90 mm	✓
<b>Columbia Agar base</b> Base medium for the cultivation of a wide spectrum of fastidious microorganisms Supplements: Sheep Blood	3014BT500	bottle	500 ml	✓
<b>Columbia Agar + 5% Sheep Blood</b> For the cultivation of a wide spectrum of fastidious microorganisms	1190PD90	10 plates	90 mm	✓
<b>Columbia Agar + 5% Sheep Blood acc. ISO 10272</b> For the cultivation of <i>Campylobacter</i> spp.	1182PD90	10 plates	90 mm	
<b>Columbia Agar + 5% Sheep Blood + Gentamycin + Polimyxin</b> For the selective isolation of bacteria with specific growth requirements	1194PD90	10 plates	90 mm	
<b>Columbia CAP Agar + 5% Sheep Blood</b> For the selective isolation of Gram positive cocci (with colistin and aztreonam)	1123PD90	10 plates	90 mm	✓
<b>Columbia CNA + 5% Sheep Blood</b> For the selective isolation of Gram positive bacteria	1191PD90	10 plates	90 mm	✓
<b>Corn Meal Agar + 1% Tween 80</b> For the cultivation of fungi, in particular for stimulating the production of chlamydospores by <i>Candida albicans</i>	7008BT100	bottle	100 ml	
<b>CT-SMAC acc. ISO 16654</b> For the isolation of <i>Escherichia coli</i> O157	1027PD90	10 plates	90 mm	
<b>Czapek Dox Agar</b> For the cultivation of acidophilic organisms such as yeasts	1014PD90	10 plates	90 mm	
<b>D/E Neutralizing Broth</b> For the neutralization of disinfectants and for the detection and enumeration of microorganisms present from cosmetic and/or environmental samples	3072BT90 3072BT100 3072BT200 3072BT500 6154TB9	bottle bottle bottle bottle 50 tubes	90 ml 100 ml 200 ml 500 ml 9 ml	



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	ref. no.	packaging	volume	IVDR
<b>Derma Test Agar</b> For the selective isolation of dermatophytic fungi	1452PD90	10 plates	90 mm	✓
<b>DG-18 Agar</b> For the selective isolation and enumeration of yeasts and molds from food	3087BT100 3087BT200 1115PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>DNase Test Agar</b> For the differentiation of microorganisms on the basis of deoxyribonuclease activity	1450PD90	10 plates	90 mm	
<b>DRBC Agar</b> For the selective isolation of yeasts and molds	3230BT100 3230BT200 1508PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>EC Broth</b> For the detection of coliform bacteria at 37°C and <i>Escherichia coli</i> at 44°C	6213TB5 6213TB10	50 tubes 50 tubes	5 ml 10 ml	
<b>Edwards Agar Modified + 5% Sheep Blood</b> For the selective isolation of <i>Streptococcus agalactiae</i> and other <i>Streptococcus</i> spp. responsible for mastitis	1220PD90	10 plates	90 mm	
<b>Endo Agar</b> For the isolation of faecal <i>Escherichia coli</i> and other coliform bacteria	1350PD90	10 plates	90 mm	
<b>Enterococcosel Agar</b> For the selective isolation and differentiation of group D <i>Streptococcus</i>	3012BT200 3012BT500 6091TB7 1070PD90	bottle bottle 50 tubes 10 plates	200 ml 500 ml 7 ml 90 mm	✓ ✓ ✓ ✓
<b>Falkow Decarboxylase Broth control</b> Control broth for the biochemical differentiation of Gram negative enteric bacilli on the basis of arginine, lysine, ornithine decarboxylation	3129BT100 6132TB3	bottle 50 tubes	100 ml 3 ml	✓ ✓
<b>Falkow Decarboxylase Broth + Arginine</b> For the biochemical differentiation of Gram negative enteric bacilli on the basis of arginine decarboxylation	3123BT100 6130TB3	bottle 50 tubes	100 ml 3 ml	✓ ✓
<b>Falkow Decarboxylase Broth + Lysine</b> For the biochemical differentiation of Gram negative enteric bacilli on the basis of lysine decarboxylation	3122BT100 6129TB3	bottle 50 tubes	100 ml 3 ml	✓ ✓
<b>Falkow Decarboxylase Broth + Ornithine</b> For the biochemical differentiation of Gram negative enteric bacilli on the basis of ornithine decarboxylation	3124BT100 6131TB3	bottle 50 tubes	100 ml 3 ml	✓ ✓
<b>Fastidious Anaerobe Agar (FAA)</b> For the susceptibility testing of anaerobic microorganisms by disc diffusion method acc. EUCAST	1371PD90	10 plates	90 mm	✓
<b>Fraser Broth acc. ISO 11290</b> For the selective enrichment of <i>Listeria</i> spp.	3001BT100 3001BT200 3001BT500 6006TB10	bottle bottle bottle 50 tubes	100 ml 200 ml 500 ml 10 ml	

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	ref. no.	packaging	volume	IVDR
<b>Fungisel Agar</b> For the selective isolation of dermatophytic fungi	1240PD90	10 plates	90 mm	✓
<b>Garda Agar</b> For cultivation of <i>Salmonella</i> spp. stimulating the production of flagellar antigens	3217BT100 3217BT200	bottle bottle	100 ml 200 ml	
<b>Giolitti-Cantoni Broth</b> For the selective enrichment and enumeration of <i>Staphylococcus</i> spp.	6012TB9	50 tubes	9 ml	
<b>Glucose Medium acc. ISO 21528-1:2005</b> For the biochemical differentiation of microorganisms on the basis of glucose fermentation	8034TB5	50 tubes	5 ml	
<b>Glucose OF Medium acc. ISO 21528-1:2017</b> For confirmation of <i>Enterobacterales</i> from food samples	6139TB5	50 tubes	5 ml	
<b>GVPC Agar</b> For the selective isolation of <i>Legionella</i> spp.	8051PD90	10 plates	90 mm	
<b>Haemophilus Chocolate Agar</b> For the selective isolation of <i>Haemophilus</i> spp.	1261PD90	10 plates	90 mm	✓
<b>Haemophilus Test Medium</b> For the susceptibility testing of <i>Haemophilus influenzae</i> by disc diffusion method acc. CLSI	1260PD90	10 plates	90 mm	✓
<b>Hektoen Enteric Agar</b> For the isolation and differentiation of enteric pathogens	3021BT100 3021BT200 1060PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	✓ ✓ ✓
<b>Indol Medium (tryptone-tryptophane)</b> For the biochemical differentiation of <i>Enterobacterales</i> on the basis of indole production	3550BT100 3550BT200 6144TB3	bottle bottle 50 tubes	100 ml 200 ml 3 ml	
<b>Indole-Urease Medium</b> For the biochemical differentiation of microorganisms on the basis of urease and indole production	3119BT100 3119BT200 6137TB3	bottle bottle 50 tubes	100 ml 200 ml 3 ml	✓ ✓ ✓
<b>Karmali Agar</b> For the isolation of <i>Campylobacter</i> spp.	1009PD90	10 plates	90 mm	
<b>King B Agar acc. ISO 16266</b> For the selective isolation of <i>Pseudomonas aeruginosa</i> on the basis of fluorescein production	3534BT100 3534BT200 6022TB7 1015PD90	bottle bottle 50 tubes 10 plates	100 ml 200 ml 7 ml 90 mm	
<b>Kligler Iron Agar</b> For the biochemical differentiation of enteric Gram negative bacilli on the basis of dextrose and lactose fermentation and H <sub>2</sub> S production	3111BT100 3111BT200 6070TB7 6124TB3	bottle bottle 50 tubes 50 tubes	100 ml 200 ml 7 ml 3 ml	✓ ✓ ✓ ✓
<b>Lactose Broth</b> For the biochemical differentiation of <i>Enterobacterales</i> on the basis of lactose fermentation	3143BT100	bottle	100 ml	
<b>Lauryl Sulphate Broth acc. ISO 4831 and 7251</b> For the detection of coliform bacteria from food samples	6025TB10	50 tubes	10 ml	

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	ref. no.	packaging	volume	IVDR
<b>Letheen Agar</b> For the cultivation of microorganisms from cosmetics	3150BT200	bottle	200 ml	
<b>LEMB Agar</b> For the isolation and differentiation of Gram negative enteric bacilli	3033BT100 1011PD90	bottle 10 plates	100 ml 90 mm	✓ ✓
<b>Lowenstein-Jensen Medium</b> For the cultivation of <i>Mycobacterium</i> spp.	6161TB7	50 tubes	7 ml	✓
<b>Lysine Decarboxylase Broth</b> For the biochemical differentiation of microorganisms on the basis of lysine decarboxylation	6146TB5	50 tubes	5 ml	
<b>MacConkey Agar + Crystal Violet</b> For the isolation and differentiation of Gram negative enteric bacilli	3017BT100 3017BT200 3017BT500 1020PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	✓ ✓ ✓ ✓
<b>MacConkey Agar CS</b> For the isolation and differentiation of Gram negative enteric bacilli from samples containing swarming strains of <i>Proteus</i> spp.	1026PD90	10 plates	90 mm	✓
<b>MacConkey Agar + Sorbitol</b> For the isolation of enterohemorrhagic strains of <i>Escherichia coli</i> O157	1021PD90	10 plates	90 mm	✓
<b>Malonate Broth</b> For the biochemical differentiation of microorganisms on the basis of malonate utilization	3114BT100 3114BT200 6127TB3	bottle bottle 50 tubes	100 ml 200 ml 3 ml	✓ ✓ ✓
<b>Malt Extract Agar</b> For the isolation of yeasts and molds	3545BT100	bottle	100 ml	
<b>Malt Extract Agar + Chloramphenicol + Streptomycin</b> For the isolation of yeasts and molds with inhibited bacterial growth	1523PD90	10 plates	90 mm	
<b>Malt Extract Agar + Chloramphenicol + Streptomycin count-tact</b> For the isolation of yeasts and molds from sanitized surfaces	7012PD65	10 plates	65 mm	
<b>Mannitol Salt Agar</b> For the isolation and differentiation of <i>Staphylococcus</i> spp.	3016BT100 3016BT200 3016BT500 1050PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	✓ ✓ ✓ ✓
<b>mCCD Agar acc. ISO 10272</b> For the isolation of <i>Campylobacter</i> spp.	1008PD90	10 plates	90 mm	
<b>m-CP Agar acc. directive 98/83/WE</b> For the isolation of <i>Clostridium perfringens</i> from water by the membrane filtration technique	1032PD90	10 plates	90 mm	
<b>Milk Plate Count Agar</b> For the isolation and enumeration of microorganisms from milk and dairy products	1513PD90	10 plates	90 mm	

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	ref. no.	packaging	volume	IVDR
<b>MKTTn Broth</b> For the selective enrichment of <i>Salmonella</i> spp.	6092TB10	50 tubes	10 ml	
<b>Mossel Broth (EE Broth)</b> For the selective enrichment of <i>Enterobacterales</i> from food samples and other materials	3140BT100 3140BT200	bottle bottle	100 ml 200 ml	
<b>Modified Lethen Broth</b> For the cultivation of microorganisms from cosmetics	3541BT90 3541BT100 3541BT200 3541BT500 6158TB9	bottle bottle bottle bottle 50 tubes	90 ml 100 ml 200 ml 500 ml 9 ml	
<b>MRS Agar acc. ISO 15214</b> For the cultivation and enumeration of <i>Lactobacillus</i> spp.	3029BT100 3029BT200 1512PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>MRS Broth</b> For the enrichment of <i>Lactobacillus</i> spp.	3608BT200	bottle	200 ml	
<b>MSRV Medium acc. ISO 6579</b> For the differentiation of <i>Salmonella</i> spp. on the basis of motility	3085BT100 3085BT200 3085BT500	bottle bottle bottle	100 ml 200 ml 500 ml	
<b>Mueller Hinton II Agar acc. EUCAST</b> For the susceptibility testing by the disk diffusion method acc. EUCAST	3096BT100 3096BT200 3096BT500 1051PD90 4006PD140	bottle bottle bottle 10 plates 5 plates	100 ml 200 ml 500 ml 90 mm 140 mm	✓ ✓ ✓ ✓ ✓
<b>Mueller Hinton Agar + Cloxacillin</b> For the isolation of plasmid-mediated AmpC beta-lactamases producing bacteria	1216PD90	10 plates	90 mm	✓
<b>Mueller Hinton II Agar + 5% Horse Blood + 20 mg/l NAD</b> For the susceptibility testing of fastidious microorganisms, especially <i>Haemophilus influenzae</i> and <i>Streptococcus</i> by the disk diffusion method acc. EUCAST	1370PD90	10 plates	90 mm	✓
<b>Mueller Hinton II Agar + 5% Sheep Blood</b> For the susceptibility testing of a wide spectrum of fastidious microorganisms by the disk diffusion method acc. CLSI	1172PD90	10 plates	90 mm	✓
<b>Mueller Hinton II Agar + 4% NaCl + Oxacillin</b> For the selective isolation of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	1173PD90	10 plates	90 mm	✓
<b>Mueller Hinton Broth</b> For the quantitative determination of the MIC of an antibacterial drug by the dilution method	6302TB5 6302TB10	50 tubes 50 tubes	5 ml 10 ml	✓ ✓
<b>Mueller Hinton Broth cation-adjusted</b> For the quantitative determination of the MIC of an antibacterial drug by the dilution method acc. EUCAST	6320TB11	50 tubes	11 ml	✓
<b>MYP Agar acc. ISO 7932</b> For the selective isolation of <i>Bacillus cereus</i> from food samples	8041PD90	10 plates	90 mm	



## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Nutrient Agar</b> For the qualitative detection and isolation of a wide spectrum of microorganisms	1166PD90	10 plates	90 mm	
<b>Nutrient Agar 1,5%</b> For the cultivation of a wide spectrum of microorganisms	3205BT100 3205BT200 1503PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>Nutrient Agar acc. ISO 16266</b> For the cultivation of a wide spectrum of microorganisms, especially <i>Pseudomonas aeruginosa</i>	1520PD90	10 plates	90 mm	
<b>Nutrient Agar acc. ISO 21528</b> For the cultivation of a wide spectrum of microorganisms, especially <i>Enterobacteriales</i>	1522PD90	10 plates	90 mm	
<b>Nutrient Agar acc. ISO 6579</b> For the cultivation of a wide spectrum of microorganisms, especially <i>Salmonella</i> spp.	1526PD90	10 plates	90 mm	
<b>Nutrient Broth</b> For the enrichment of a wide spectrum of microorganisms	3227BT200	bottle	200 ml	
<b>Oxford Agar</b> For the selective isolation of <i>Listeria</i> spp.	1292PD90	10 plates	90 mm	
<b>Palcam Agar</b> For the selective isolation of <i>Listeria</i> spp.	1502PD90	10 plates	90 mm	
<b>PCA</b> For determination of the total number of microorganisms	3533BT100 3533BT200 3533BT500 1342PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	
<b>PCA count-tact</b> For the isolation of microorganisms from sanitized surfaces	7015PD65	10 plates	65 mm	
<b>Peptone Water</b> For the cultivation of non-fastidious microorganisms	3039BT100 3039BT200 3039BT500	bottle bottle bottle	100 ml 200 ml 500 ml	
<b>Phenylalanine Agar</b> For the biochemical differentiation of microorganisms on the basis of phenylalanine deamination	3115BT100 3115BT200 6126TB3	bottle bottle 50 tubes	100 ml 200 ml 3 ml	✓ ✓ ✓
<b>Potato Dextrose Agar + Chloramphenicol</b> For the isolation of fungi with inhibited bacterial growth	1236PD90	10 plates	90 mm	
<b>PP Agar Modified</b> For the differentiation of <i>Enterococcus</i> spp. on the basis of motility	6241TB3	50 tubes	3 ml	✓
<b>PP Red Agar</b> For the differentiation of <i>Enterobacteriales</i> on the basis of motility with colour reaction	6141TB3	50 tubes	3 ml	✓
<b>Preston Broth acc. ISO 10272</b> For the selective enrichment <i>Campylobacter</i> spp.	3413BT90	bottle	90 ml	

## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Pseudomonas CFC Agar acc. ISO 13720</b> For the isolation and enumeration of <i>Pseudomonas</i> spp. from meat products	1311PD90	10 plates	90 mm	
<b>Pseudomonas CN Agar acc. ISO 16266</b> For the selective isolation of <i>Pseudomonas aeruginosa</i> from water by the membrane filtration technique	8046BT100 8046BT200 8046BT500 1022PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	
<b>R2 Agar</b> For the enumeration and cultivation of bacteria from potable water	8044BT200 1544PD90	bottle 10 plates	200 ml 90 mm	
<b>RPFA Medium acc. ISO 6888-2</b> <b>RPFA Medium acc. ISO 6888-2 (90 ml + 10 ml)</b> For the selective isolation and enumeration of <i>Staphylococcus aureus</i> from food samples	1321PD90 3226BT90	10 plates bottle	90 mm 90 + 10 ml	
<b>RVS Broth acc. ISO 6579</b> For the selective enrichment of <i>Salmonella</i> spp.	6011TB10	50 tubes	10 ml	
<b>Sabouraud Dextrose Agar</b> For the isolation of fungi	3010BT100 3010BT200 3010BT500 1230PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	✓ ✓ ✓ ✓
<b>Sabouraud Dextrose Agar + Actidione</b> For the selective isolation of fungi with inhibited molds growth	1234PD90	10 plates	90 mm	✓
<b>Sabouraud Dextrose Agar + Chloramphenicol</b> For the selective isolation of fungi with inhibited bacterial growth	3020BT100 3020BT200 3020BT500 6303TB7 1231PD90	bottle bottle bottle 50 tubes 10 plates	100 ml 200 ml 500 ml 7 ml 90 mm	✓ ✓ ✓ ✓ ✓
<b>Sabouraud Dextrose Agar + Chloramphenicol + Actidione</b> For the selective isolation of fungi with inhibited bacterial and molds growth	3040BT100 3040BT200 3040BT500 6304TB7 1233PD90	bottle bottle bottle 50 tubes 10 plates	100 ml 200 ml 500 ml 7 ml 90 mm	✓ ✓ ✓ ✓ ✓
<b>Sabouraud Dextrose Agar + Chloramphenicol + Gentamycin</b> For the selective isolation of fungi with inhibited bacterial growth	6301TB7 1232PD90	50 tubes 10 plates	7 ml 90 mm	✓ ✓
<b>Sabouraud Dextrose Agar + Lecitin &amp; Tween count-tact</b> For the isolation of yeasts and molds from sanitized surfaces	7020PD65	10 plates	65 mm	
<b>Sabouroud Dextrose Broth</b> For the cultivation and enrichment of fungi	3050BT200 3050BT500 6010TB5	bottle bottle 50 tubes	200 ml 500 ml 5 ml	✓ ✓ ✓
<b>Salmonella Shigella Agar</b> For the isolation of <i>Salmonella</i> spp. and some strains of <i>Shigella</i> spp.	3018BT100 3018BT200 3018BT500 1250PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	✓ ✓ ✓ ✓

## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Schaedler Agar base + Vit. K3</b> Base medium for the detection and isolation of pathogenic anaerobes Supplements: Sheep Blood	3036BT500	bottle	500 ml	✓
<b>Schaedler Agar + 5% Sheep Blood</b> For the qualitative detection, isolation, and cultivation of pathogenic, fastidious anaerobic bacteria	1200PD90	10 plates	90 mm	✓
<b>Schaedler Agar + 5% Sheep Blood + Vit. K3</b> For the qualitative detection, isolation and cultivation of pathogenic, fastidious anaerobic bacteria	1201PD90	10 plates	90 mm	✓
<b>Schaedler Broth</b> For the cultivation of fastidious anaerobic microorganisms	6100TB10	50 tubes	10 ml	✓
<b>Schaedler Broth + Vit. K3 + 0,02% Agar</b> For the cultivation of fastidious anaerobic microorganisms	6102TB10	50 tubes	10 ml	✓
<b>Schaedler Broth + Vit. K3 + 0,2% Agar</b> For the cultivation of fastidious anaerobic microorganisms	6101TB10	50 tubes	10 ml	✓
<b>Schaedler CNA Agar + 5% Sheep Blood</b> For the qualitative detection and isolation of anaerobic Gram positive bacteria, especially <i>Peptostreptococcus</i> and <i>Peptococcus</i>	1202PD90	10 plates	90 mm	✓
<b>Schaedler KanaVanco Agar + 5% Sheep Blood</b> For the qualitative detection and isolation of <i>Bacteroides</i> , <i>Prevotella</i> and other anaerobic Gram negative bacteria	1207PD90	10 plates	90 mm	✓
<b>Schaedler NeoVanco Agar + 5% Sheep Blood</b> For the qualitative detection and isolation of anaerobic Gram negative bacteria, especially <i>Bacteroides</i> spp.	1205PD90	10 plates	90 mm	✓
<b>Selenite F Broth</b> For the selective enrichment of <i>Salmonella</i> spp.	3037BT100	bottle	100 ml	✓
	3037BT200	bottle	200 ml	✓
	3037BT500	bottle	500 ml	✓
	6030TB5	50 tubes	5 ml	✓
<b>Semi (Half) Fraser Broth acc. ISO 11290</b> For the selective enrichment of <i>Listeria</i> spp.	3005BT225	bottle	225 ml	
	6007TB10	50 tubes	10 ml	
<b>Simmons Citrate Agar</b> For the biochemical differentiation of microorganisms on the basis of citrate utilization	3112BT100	bottle	100 ml	✓
	3112BT200	bottle	200 ml	✓
	6125TB3	50 tubes	3 ml	✓
<b>Slanetz-Bartley Agar acc. ISO 7899-2</b> For the isolation and enumeration of <i>Enterococcus</i> spp. from water by the membrane filtration technique	3401BT100	bottle	100 ml	
	3401BT200	bottle	200 ml	
	3401BT500	bottle	500 ml	
	8019PD90	10 plates	90 mm	
<b>Standard Agar</b> For the cultivation of the wide spectrum of microorganisms with low nutritional requirements	3048BT200	bottle	200 ml	
	6123TB7	50 tubes	7 ml	
<b>Standard Broth</b> For the enrichment the wide spectrum of microorganisms with low nutritional requirements	6121TB5	50 tubes	5 ml	

## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Sulphite-Iron Agar</b> For the isolation and enumeration of spore-forming and sulfate-reducing anaerobic bacteria by the membrane filtration technique	8040BT100	bottle	100 ml	
<b>Stonebrink Medium</b> For the cultivation and differentiation of <i>Mycobacterium</i> spp.	6150TB7	50 tubes	7 ml	✓
<b>TBX Agar</b> For the isolation and enumeration of <i>Escherichia coli</i> from food and water samples	3522BT100	bottle	100 ml	
	3522BT200	bottle	200 ml	
<b>Thayer Martin Agar Modified</b> For the selective isolation of <i>Neisseria gonorrhoeae</i> and <i>Neisseria meningitidis</i>	1083PD90	10 plates	90 mm	✓
<b>Thioglycollate Broth</b> For the sterility tests and enrichment of a wide spectrum of fastidious microorganisms	338BT100	bottle	100 ml	
	3038BT200	bottle	200 ml	
	3038BT500	bottle	500 ml	
	6040TB5	50 tubes	5 ml	
	6040TB10	50 tubes	10 ml	
<b>Todd-Hewitt Broth</b> For the cultivation of <i>Streptococcus</i> spp. and other fastidious microorganisms	3041BT200	bottle	200 ml	✓
	3041BT500	bottle	500 ml	✓
	6090TB5	50 tubes	5 ml	✓
<b>Todd-Hewitt Broth + Gentamycin + Nalidixic Acid</b> <b>Todd-Hewitt Broth + Colistin + Nalidixic Acid</b> For the selective cultivation of <i>Streptococcus</i> spp., especially <i>Streptococcus agalactiae</i> (GBS)	6089TB5	50 tubes	5 ml	✓
	6088TB5	50 tubes	5 ml	✓
<b>Trichomedium</b> For the selective cultivation of <i>Trichomonas vaginalis</i>	3042BT100	bottle	100 ml	✓
	3042BT200	bottle	200 ml	✓
	6120TB2,5	50 tubes	2,5 ml	✓
<b>Tryptophane Broth acc. ISO 9308-1:2004</b> For the biochemical differentiation of <i>Escherichia coli</i> from water samples on the basis of indole production	8039TB5	50 tubes	5 ml	
<b>TSA</b> For the cultivation of a wide spectrum of microorganisms	3031BT100	bottle	100 ml	
	3031BT200	bottle	200 ml	
	3031BT500	bottle	500 ml	
	6093TB7	50 tubes	7 ml	
	1180PD90	10 plates	90 mm	
	4008PD140	5 plates	140 mm	
<b>TSA + 5% Sheep Blood</b> For the cultivation of a wide spectrum of fastidious microorganisms	1181PD90	10 plates	90 mm	✓
<b>TSA + Lecitin &amp; Tween 80</b> For the isolation of microorganisms from samples with growth inhibitors	3098BT200	bottle	200 ml	
	1013PD90	10 plates	90 mm	
	4009PD120	5 plates	120 mm	
<b>TSA + Lecitin &amp; Tween 80 count-tact</b> For the isolation of microorganisms from sanitized surfaces with quaternary ammonium compounds	7010PD65	10 plates	65 mm	



## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>TSB</b> For the cultivation of fastidious and non-fastidious microorganisms	3032BT100 3032BT200 3032BT500 6080TB2 6080TB5 6080TB10	bottle bottle bottle 50 tubes 50 tubes 50 tubes	100 ml 200 ml 500 ml 2 ml 5 ml 10 ml	✓ ✓ ✓ ✓ ✓ ✓
<b>TSC Agar acc. ISO 14189 and 7937</b> For the isolation and enumeration of spores and vegetative forms <i>Clostridium perfringens</i>	3081BT100 3081BT200 3081BT500 8022PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	
<b>TSI Agar (Triple Sugar Iron) acc. ISO 6579</b> For the biochemical differentiation of microorganisms on the basis of glucose, lactose and sucrose fermentation and H <sub>2</sub> S production	8015TB7	50 tubes	7 ml	
<b>TSYEA acc. ISO 11290</b> For the isolation of <i>Listeria</i> spp.	1019PD90	10 plates	90 mm	
<b>TTC Agar + Tergitol acc. ISO 9308</b> For the selective isolation of coliform bacteria and <i>Escherichia coli</i> from water samples by the membrane filtration technique	8029PD90	10 plates	90 mm	
<b>Urea Agar acc. ISO 6579</b> For the biochemical differentiation of microorganisms on the basis of urease production	6205TB7	50 tubes	7 ml	
<b>VRBG Agar acc. ISO 21528</b> For the isolation and enumeration of <i>Enterobacterales</i> from food samples	3006BT100 3006BT200	bottle bottle	100 ml 200 ml	
<b>VRBL Agar</b> For the enumeration of coliforms from food samples	3046BT100 3046BT200	bottle bottle	100 ml 200 ml	
<b>VRBG Agar count-tact</b> For the isolation of <i>Enterobacterales</i> from sanitized surfaces with quaternary ammonium compounds	7013PD65	10 plates	65 mm	
<b>Willis Hobbs Agar</b> For the isolation of <i>Clostridium</i> spp.	1010PD90	10 plates	90 mm	✓
<b>Wilkins Chalgren Agar + 5% Sheep Blood</b> For the cultivation of anaerobic microorganisms	1204PD90	10 plates	90 mm	✓
<b>Wort Agar</b> For the cultivation of fungi, especially yeasts	3025BT100	bottle	100 ml	
<b>XLD Agar</b> For the selective isolation and initial identification of <i>Salmonella</i> spp.	3514BT100 1330PD90	bottle 10 plates	100 ml 90 mm	✓ ✓
<b>XLD Agar acc. ISO 6579</b> For the selective isolation and initial identification of <i>Salmonella</i> spp. from food samples	3091BT200 8013PD90	bottle 10 plates	200 ml 90 mm	

## 1.1 CULTURE MEDIA READY TO USE

	ref. no.	packaging	volume	IVDR
<b>Yeast Extract Agar acc. ISO 6222</b> For the cultivation of total count of microorganisms in water	8026BT100 8026BT200 8026BT500 6048TB15	bottle bottle bottle 50 tubes	100 ml 200 ml 500 ml 15 ml	
<b>Yersinia CIN Agar</b> For the selective isolation of <i>Yersinia</i> spp.	1090PD90	10 plates	90 mm	✓
<b>YGC Agar acc. ISO 7954</b> For the cultivation and selective isolation of molds and yeasts with inhibited bacterial growth	3088BT100 3088BT200 3088BT500 8036PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	

## 1.2 CULTURE MEDIA ON BI-PLATES

	ref. no.	packaging	volume	IVDR
<b>CHROMagar ESBL / CHROMagar KPC</b> For the detection of antibiotic resistance mechanisms in Gram negative bacilli	2068PD90	10 plates	90 mm/2	✓
<b>CHROMagar ESBL / CHROMagar VRE</b> For the detection of antibiotic resistance mechanisms in bacteria	2057PD90	10 plates	90 mm/2	✓
<b>CHROMagar Mastitis</b> For the isolation and differentiation of the main bacteria involved in mastitis infections (GP/GN)	2034PD90	10 plates	90 mm/2	
<b>CHROMagar Orientation / Columbia CNA Agar + 5% Sheep Blood</b> For the isolation and enumeration of microorganisms from urine	2044PD90	10 plates	90 mm/2	✓
<b>CHROMagar Staph aureus / CHROMagar MRSA</b> For the selective isolation of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	2048PD90	10 plates	90 mm/2	✓
<b>Columbia CNA Agar + 5% Sheep Blood / Enterococcosel Agar</b> For the isolation of Gram positive microorganisms	2022PD90	10 plates	90 mm/2	✓
<b>MacConkey Agar + Crystal Violet / Blood Agar</b> For the isolation of microorganisms from clinical specimens	2100PD90	10 plates	90 mm/2	✓
<b>MacConkey Agar + Crystal Violet / Columbia Agar + 5% Sheep Blood</b> For the isolation of microorganisms from clinical specimens	2040PD90	10 plates	90 mm/2	✓
<b>Sabouraud Dextrose Agar + Chloramphenicol / CHROMagar Candida</b> For the isolation and differentiation of yeasts	2030PD90	10 plates	90 mm/2	✓
<b>Sabouraud Dextrose Agar + Chloramphenicol / Fungisel Agar</b> For the isolation of dermatophytic fungi and yeasts with inhibited bacterial growth	2017PD90	10 plates	90 mm/2	✓

## 1.2 CULTURE MEDIA ON BI-PLATES

	ref. no.	packaging	volume	IVDR
<b>Sabouraud Dextrose Agar + Chloramphenicol / Sabouraud Dextrose Agar + Chloramphenicol + Actidione</b> For the isolation of dermatophytic fungi and yeasts with inhibited bacterial and molds growth	2051PD90	10 plates	90 mm/2	✓
<b>Salmonella Shigella Agar / Hektoen Enteric Agar</b> For the isolation and differentiation of enteric pathogens	2014PD90	10 plates	90 mm/2	✓
<b>Schaedler Agar + 5% Sheep Blood + Vitamin K3 / Schaedler KanaVanco Agar + 5% Sheep Blood</b> For the isolation of Gram negative anaerobic microorganisms	2021PD90	10 plates	90 mm/2	✓

## 1.3 MEDIA FOR PHARMACEUTICAL MICROBIOLOGY ACC. THE HARMONIZED METHOD EP/USP/JP

	ref. no.	packaging	volume	IVDR
<b>Buffered NaCl Peptone Solution pH 7,0 Pharma</b> Diluent for samples tested for the presence of microorganisms	9017BT90	bottle	90 ml	
	9017BT100	bottle	100 ml	
	9017BT200	bottle	200 ml	
	9017BT500	bottle	500 ml	
	9017TB9	50 tubes	9 ml	
<b>Buffered NaCl Peptone Solution pH 7,0 + Tween 80 Pharma</b> Diluent for samples tested for the presence of microorganisms	9019BT100	bottle	100 ml	
	9019BT200	bottle	200 ml	
	9019BT500	bottle	500 ml	
	9019TB9	50 tubes	9 ml	
<b>Cetrymide Agar Pharma</b> For the selective isolation of <i>Pseudomonas aeruginosa</i>	9001BT100	bottle	100 ml	
	9001BT200	bottle	200 ml	
	9001PD90	10 plates	90 mm	
<b>MacConkey Agar Pharma</b> For the isolation of <i>Escherichia coli</i>	9003BT100	bottle	100 ml	
	9003BT200	bottle	200 ml	
	9003BT500	bottle	500 ml	
	9003PD90	10 plates	90 mm	
<b>MacConkey Broth Pharma</b> For the selective enrichment of <i>Escherichia coli</i>	9004BT100	bottle	100 ml	
	9004BT200	bottle	200 ml	
	9004TB10	50 tubes	10 ml	
<b>Mannitol Salt Agar Pharma</b> For the isolation of <i>Staphylococcus aureus</i>	9005BT100	bottle	100 ml	
	9005BT200	bottle	200 ml	
	9005PD90	10 plates	90 mm	
<b>Mossel Broth Pharma</b> For the selective cultivation of <i>Enterobacterales</i>	9006BT100	bottle	100 ml	
	9006BT200	bottle	200 ml	
	9006BT500	bottle	500 ml	
	9006TB10	50 tubes	10 ml	
<b>Potato Dextrose Agar Pharma</b> For the isolation of yeasts and molds	9007BT100	bottle	100 ml	
	9007BT200	bottle	200 ml	
	9007PD90	10 plates	90 mm	
<b>R2 Agar Pharma</b> For the isolation and enumeration of bacteria from water samples	9018BT200	bottle	200 ml	
	9018PD90	10 plates	90 mm	

### 1.3 MEDIA FOR PHARMACEUTICAL MICROBIOLOGY ACC. THE HARMONIZED METHOD EP/USP/JP

	ref. no.	packaging	volume	IVDR
<b>RVS Broth Pharma</b> For the selective isolation of <i>Salmonella</i> spp.	9009BT100 9009TB10	bottle 50 tubes	100 ml 10 ml	
<b>Sabouraud Dextrose Agar Pharma</b> For the isolation and enumeration of fungi	9010BT100 9010BT200 9010BT500 9010PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	
<b>Sabouraud Dextrose Broth Pharma</b> For the cultivation of fungi	9011BT100 9011BT200	bottle bottle	100 ml 200 ml	
<b>TSA Pharma</b> For the cultivation of a wide spectrum of microorganisms	9012BT100 9012BT200 9012BT500 9012PD90	bottle bottle bottle 10 plates	100 ml 200 ml 500 ml 90 mm	
<b>TSB Pharma</b> For the enrichment of a wide spectrum of microorganisms	9013BT90 9013BT100 9013BT200 9013BT500 9013TB10	bottle bottle bottle bottle 50 tubes	90 ml 100 ml 200 ml 500 ml 10 ml	
<b>VRBG Agar Pharma</b> For the isolation of <i>Enterobacterales</i>	9014BT100 9014BT200 9014PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	
<b>XLD Agar Pharma</b> For the isolation of <i>Salmonella</i> spp.	9016BT100 9016BT200 9016PD90	bottle bottle 10 plates	100 ml 200 ml 90 mm	





# 2

## BUFFERS



### BUFFERS

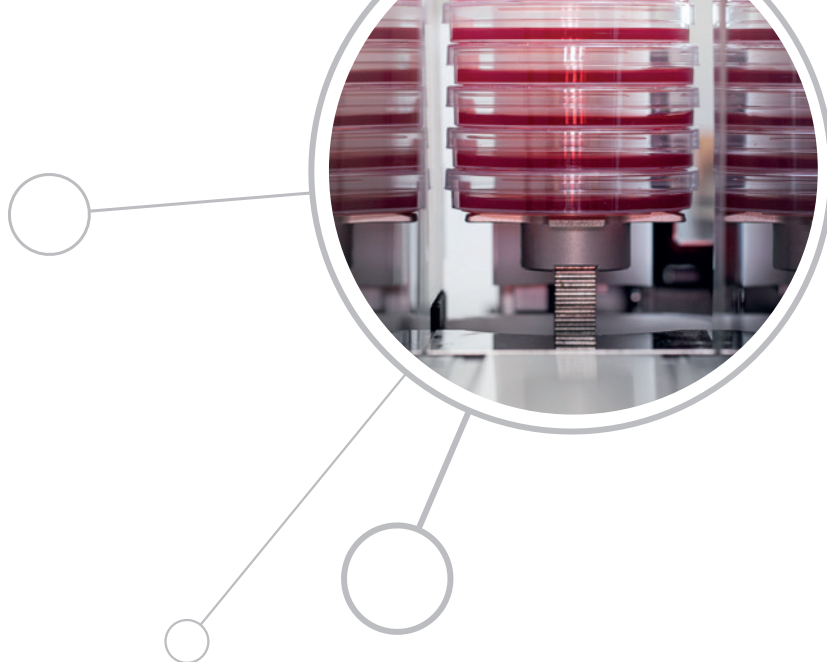
	ref. no.	packaging	volume
<b>0,85% NaCl Pepton Solution</b>	3531BT90	bottle	90 ml
	3531BT100	bottle	100 ml
	3531BT200	bottle	200 ml
	3531BT500	bottle	500 ml
	6315TB9	50 tubes	9 ml
<b>0,85% NaCl Solution</b>	3583BT200	bottle	200 ml
	3583BT500	bottle	500 ml
	6249TB2	50 tubes	2 ml
	6249TB5	50 tubes	5 ml
<b>0,9% NaCl Solution</b>	3565BT100	bottle	100 ml
	3565BT200	bottle	200 ml
	3565BT500	bottle	500 ml
	6149TB3	50 tubes	3 ml
	6149TB5	50 tubes	5 ml
	6149TB9	50 tubes	9 ml
<b>Buffered NaCl Peptone Solution pH 7,0</b>	3028BT90	bottle	90 ml
	3028BT500	bottle	500 ml
	6317TB9	50 tubes	9 ml
<b>Buffered NaCl Peptone Solution pH 7,0 + Tween 80</b>	3142BT90	bottle	90 ml
	3142BT100	bottle	100 ml
	6318TB9	50 tubes	9 ml
<b>Buffered 0,85% NaCl Peptone Solution</b>	3166BT100	bottle	100 ml
	3166BT500	bottle	500 ml
	6179TB9	50 tubes	9 ml

**BUFFERS**

	ref. no.	packaging	volume
<b>Buffered 0,85% NaCl Solution</b>	3074BT100	bottle	100 ml
	3074BT200	bottle	200 ml
	3074BT500	bottle	500 ml
	6316TB9	50 tubes	9 ml
<b>Buffered 0,9% NaCl Solution</b>	3167BT500	bottle	500 ml
	6321TB9	50 tubes	9 ml
<b>Page Saline Solution acc. ISO 11731</b>	3507BT100	bottle	100 ml
	3507BT200	bottle	200 ml
	3507BT500	bottle	500 ml
<b>Ringer Solution</b>	3203BT100	bottle	100 ml
	3203BT200	bottle	200 ml
	3203BT500	bottle	500 ml

# 3

## DEVICES



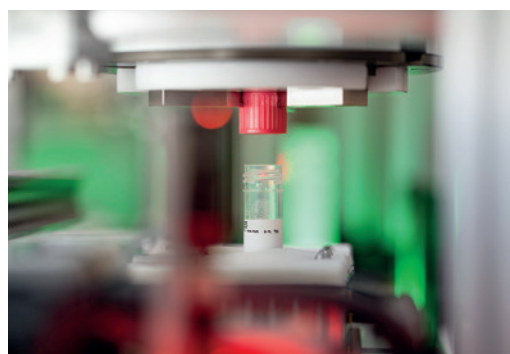
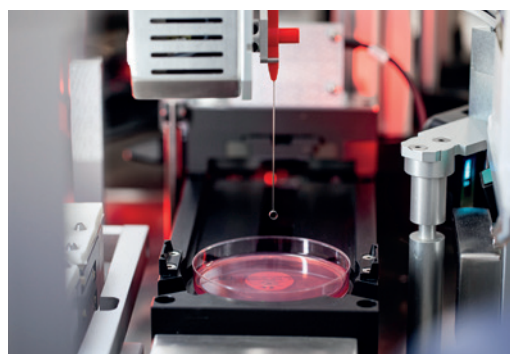
### 3. DEVICES

#### **WASP®: Walk-Away Specimen Processor**

is a revolutionary system for automatic processing of microbiological samples. It covers all components of the sample preparation process, including analyte extraction from the sample, plate inoculation, preparation of Gram stain slides, inoculating of broths, and placement of discs on susceptibility media.

The system is designed to operate 24 hours a day, 7 days a week, which significantly reduces technical activities in the laboratory and increases productivity. Automatic inoculation ensures greater repeatability and reproducibility, and thus standardization of microbiological tests.

- LBM System – based on liquid samples; in both Copan tubes and other liquid materials supplied to the laboratory.
- The use of traditional, automatically annealed metal loops (1, 10 and 30 µl) allows for the inoculation of various types of materials.
- The possibility of using various streaking patterns, including the classic reduction streaking.
- Automatic positioning, opening and closing of both sample and streaking plates.
- Automatic inoculation and labeling of broths, no need to manually labeling the tubes.
- Free feeding of samples, without the need to segregate them at each stage of the process.

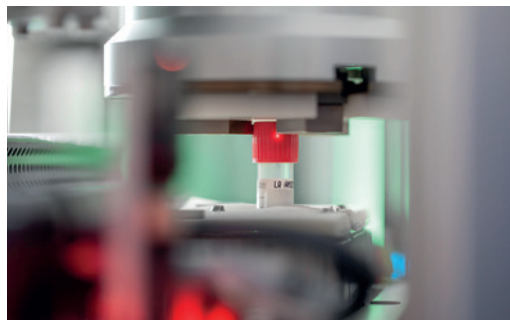




### 3. DEVICES

#### WASPLab®

this is a natural evolution of the WASP® concept, intended for plate incubation and digital imaging. Equipped with a unique vision system, WASPLab® acquires high-quality digital images throughout the entire automated incubation step. Plates can be read remotely without the need of having to see them directly. With fully customizable plate handling, incubation and digital imaging, WASPLab® takes your lab workload into the world of Digital Bacteriology.



#### PhenoMATRIX™

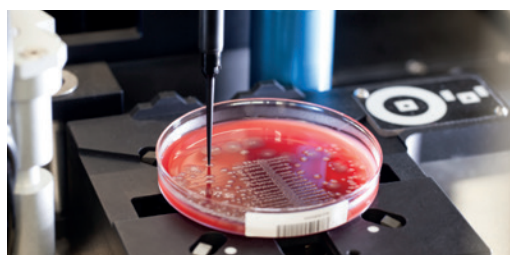
uses Artificial Intelligence to analyze colony growth, morphology, color, and hemolysis, based on WASPLab® digital imaging capabilities. By combining results with clinical information from the LIS, PhenoMATRIX™ enables the selection of negative cultures, interpretation and sorting plates with one click.

PhenoMATRIX™TAG automatically detects and tags the best colonies for collection by Colibri™, according to rules individually designed by the laboratory.



#### Colibri®

is a system for automatically choosing and transferring colonies from plates to the identification plate in mass spectrometry systems, pre-selected by the operator at the WASPLab®™ reading station. Colibri™ can replace manual sampling to identify microorganisms on MALDI-TOF and precisely prepare suspensions for antibiotic susceptibility testing.



#### Universe™

it is a solution for laboratories preparing large amounts of samples for molecular research. Thanks to this solution, you can automate uncapping and resealing of tubes, vortexing, preparation of swabs and transferring fluids from primary to secondary tubes or microtiter plates.



#### Autostainer™

automated system for staining slides. It includes instruments for Gram staining, acid-fast bacteria by the Ziehl-Neelsen method, fluorescence method and staining of hematological slides. They perform one type of staining or different combinations of them in one device. Reagents are applied by pouring liquids from the nozzle, which most closely resembles the classic manual method. Placing preparations in separate places reduces the possibility of cross-contamination.

The Ziehl-Neelsen stainer uses a patented heating system. Both the temperature and the heating time can be programmed according to your individual needs.





# 4

## IMPORTANT INFORMATION



### MEDIA IN TUBES

**Available packages:** 50 tubes

Ready-to-use media in tubes are produced in liquid form or as agar slant.

**Storage and expiry date**

Media in tubes should be stored at 6 - 25°C. Shelf life of most media in tubes: 12 months.

**Limitations**

The following media have a shelf life of 6 months: Selenite F Broth, Fraser and Semi Fraser Broth, MKTTn Broth, Mossel Broth (EE Broth).

### MEDIA ON PLATES

**Available types and packages of plates:**

- plates Ø 90 mm (single and bi-plates) in a package of 10 pieces
- plates Ø 140 mm in a package of 5 pieces
- contact plates in a pack of 10 pieces

**Storage and expiry date**

Media in Petri dishes should be stored at 2 - 12°C. Expiration date of most media: 3 months.

**Limitations**

Blood media and some media with antibiotics have 45-65 days shelf life.

Bismuth Sulphite Agar (Wilson Blair) - 21 days.

**Note:** Media such as Endo Agar, Bismuth Sulphite Agar (Wilson Blair), BGA and chromogenics are especially sensitive to light!

## BOTTLED MEDIA

### Available transport packaging:

- 100 ml bottle, pack of 10
- 200 ml bottle, pack of 10
- 500 ml bottle, pack of 6

### Storage and expiry date

Most bottled media should be stored between 6 - 25°C. Shelf life of most media in bottles: 12 months.

### Limitations

The following media have a 6-month expiration date: Selenite F Broth, Fraser and Semi Fraser Broth, MKTTn Broth, Mossel Broth (EE Broth).

### Adding supplements to prepared media

Before adding to the medium the supplements should be brought to room temperature, and then added to the medium which has been cooled to 45 - 50°C

**Attention!** Remember to use the entire contents of the bottle at once after opening the bottle!

The supplements have to be brought to room temperature before placing them on to the medium which has been previously cooled to 45-50°C

### Method of preparing the media in bottles to be poured into Petri dishes

Media in bottles can be melted in a water bath and Koch apparatus at a temperature of about 80°C or in a microwave oven.

#### Melting agar in the microwave

1. Loosen the bottle cap before placing it in the microwave.
2. Place the bottle in the center of the microwave.
3. Heat the bottle at one-minute intervals on low power until agar is fully melted.
4. At intervals, gently turn the bottle round to ensure that the agar is melting evenly.
5. Put on protective gloves, carefully remove the hot bottle and keep it from pouring to cool to 45 - 50°C.
6. After the media has cooled, mix well and pour on Petri dishes.

#### Melting agar in a water bath

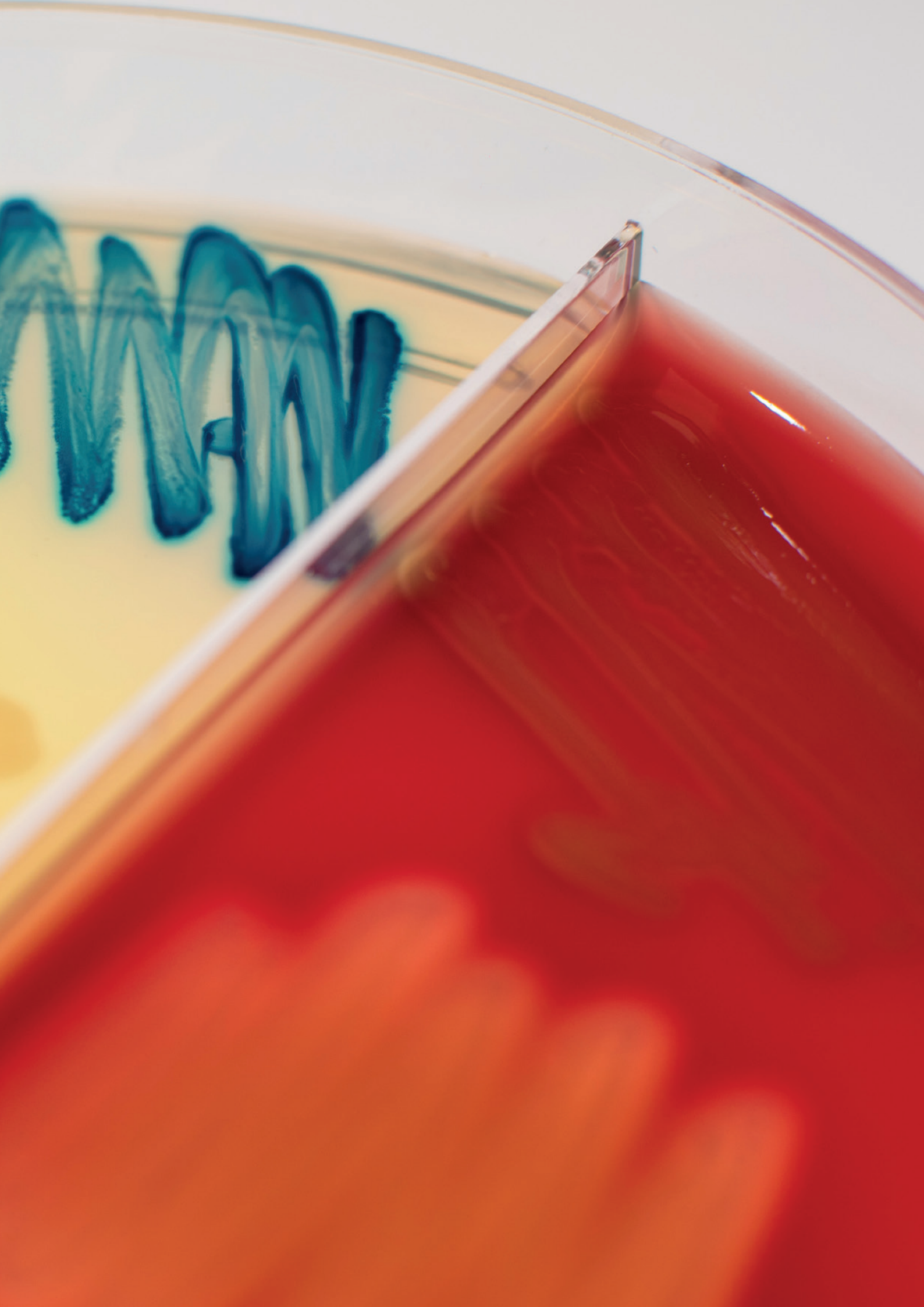
1. Loosen the bottle cap before placing it in the water bath.
2. The water temperature should be around 80°C.
3. Leave in a water bath until the agar is completely melted.
4. Put on protective gloves, carefully remove the hot bottle and keep it to cool to 45 - 50°C before pouring.
5. After the media has cooled, mix well and pour on Petri dishes.\*

\* Work in a clean area under laminar flow. Use disinfectants.

Work in accordance with the rules of aseptic. Pour only one plate at a time. Open the lid slightly and pour 15-20 ml of liquid medium on the bottom of the plate (the media should cover 2/3 of the plate surface). Gently rotate the plate until the medium has completely covered its surface. Cover the plate with a lid. The thickness of the layer should be no less than 3-4 mm. Before use, the plate should be cooled and the agar should be allowed to solidify completely. This lasts about 1 hour. You can speed up the process by placing the plate in the refrigerator, but not in the freezer. In order to avoid the accumulation of condensation water on the lid, before inoculation, place the agar plates in a laminar flow cabinet or incubator (temp. 37°C) by gently opening the lid for about 20 minutes. The cooling process should be gradual (do not cool the medium too quickly). Melting of microbiological medium using devices other than the Koch apparatus, including microwave ovens, complies with the requirements of PN - EN ISO 7218: 2007 „Microbiology of food and animal feeding stuffs – General requirements and guidance for microbiological examinations”.



WASPLab® Digital microbiology





# 5

## HOW TO ORDER?



In order to avoid mistakes, orders should be placed in writing:

**email: [zamowienia@graso.com.pl](mailto:zamowienia@graso.com.pl)**

**What should an order contain?**

**The exact address of the recipient**

**The exact address and name of the payer**

**Payer's tax identification number**

**Full reference number of the ordered product**

**Quantity of the product ordered**

**How do we quote prices?**

Prices are in EUR

Prices do not include transport costs

Prices may change depending on the value of exchange rates

**Contact and support**

If you need more information about what products we offer,  
please contact by e-mail:

**[mikrobiologia@graso.com.pl](mailto:mikrobiologia@graso.com.pl) or**

**phone +48 58 562 30 21; +48 603 243 851**

**Headquarters**

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Manufacturing site in Owidz

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phone +48 58 562 30 21, fax: +48 58 562 79 87

email: [zamowienia@graso.com.pl](mailto:zamowienia@graso.com.pl)

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